

CR-141347

Organization:

Remote Sensing Institute  
South Dakota State University  
Brookings, South Dakota 57006

Title:

Monthly Report to National  
Aeronautics and Space  
Administration

Report type:

Monthly Progress Report  
December 1974

EREP Investigation Number:

S452

"Made available under NASA sponsorship  
in the interest of early and wide  
semination of Earth Resources Survey  
Program information and without liability  
for any use made thereof."

NASA Contract Number:

NAS 9-13337

Principal Investigator:

Victor I. Myers

Date Submitted:

January 20, 1975

NASA Technical Monitor:

Clayton Forbes  
Operations Room  
Code TF6  
Johnson Space Center  
Houston, Texas 77058

(E75-10114) DEVELOP TECHNIQUES AND  
PROCEDURES, USING MULTISPECTRAL SYSTEMS, TO  
IDENTIFY FROM REMOTELY SENSED DATA THE  
PHYSICAL AND THERMAL CHARACTERISTICS OF  
PLANTS AND SOIL Monthly Progress (South

N75-16035

Unclas  
G3/43 00114

3.0 Report of work as identified in Ex. A (SOW) --- Contract NAS 9-13337

3.1 Progress Reports

a. Overall status ---

A report entitled "Preliminary Evaluation of S-192 SKYLAB Data for Assessing Energy Exchange and Land Use in Irrigated Agriculture" was prepared and submitted. The report contained preliminary results of analysis of the S-192 thermal data obtained during SL-4 with the X-5 detector. Reduction of the S-191 data was pursued during this reporting period.

b. Recommendations ---

None at this time.

c. Expected accomplishments ---

Completion of reduction of S-191 data should be accomplished to derive corrections for radiance measurements of the S-192 sensor.

d. A readily.....results.....

The report will identify significant results.

e. Summary outlook ---

The ground-based ET assessments were conducted for seven different physical settings. The analysis will include a multistage approach for assessing ET of agricultural land.

f. Travel summary ---

None expected.